NEW

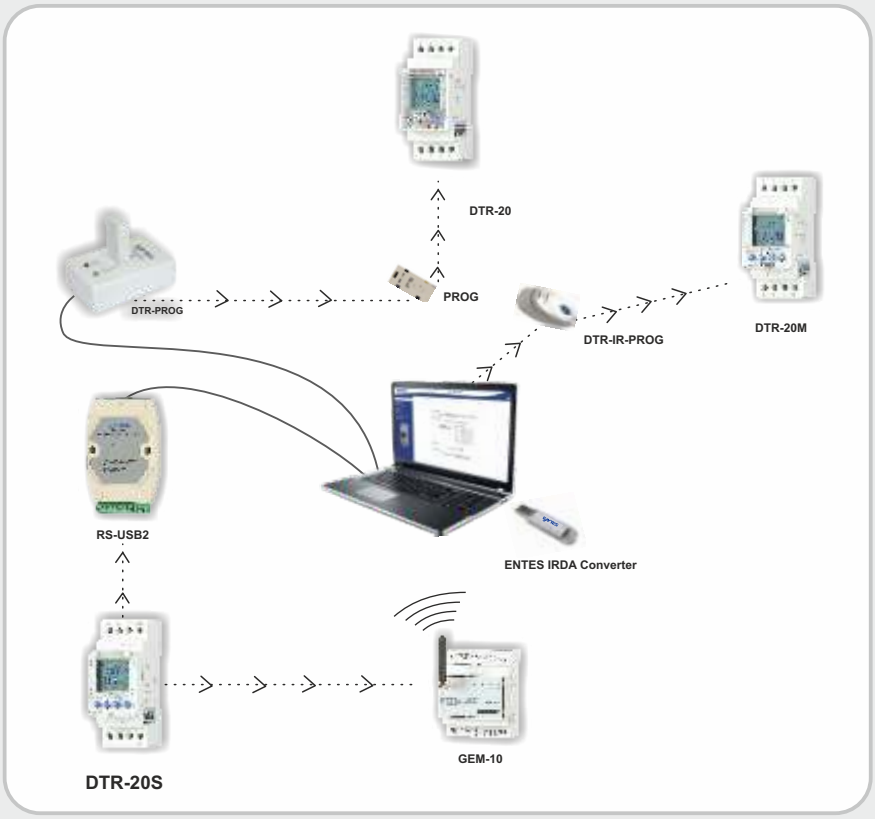
DTR-20S/TS
"Modbus RS-485 COMMUNICATION"
Astronomic Time Relays



- Automatic sunset and sunrise calculation
- Automatic DST (Daylight Saving Time) switching
- Programming based on city name and geographical coordinates
- 2 relay outputs (16A)
- Battery life of 10 years
- 32 programs, and precise timing
- 24/7 relay programming
- Vacation mode
- Backlight Display
- Password Protection

Configuration Software

With DTR PROG configuration software, all parametres can be set easily and quickly in computer environment. After loading the configuration on the DTR-IR PROG device, these settings can be remotely transferred to multiple DTR-20M devices instantly with IR (Infrared).





Road Lighting



Street Lighting

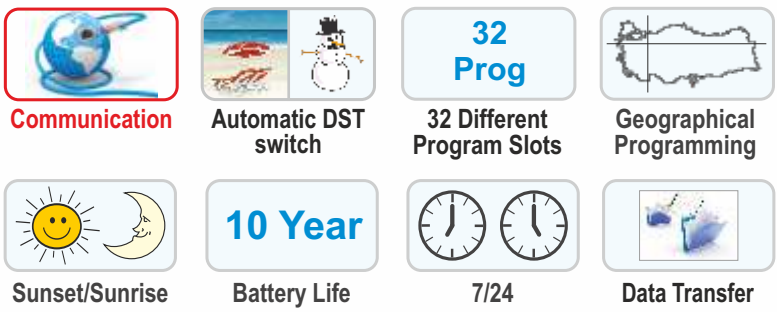


Garden Watering



Park Lighting

DTR-20S



www.entes.com.tr

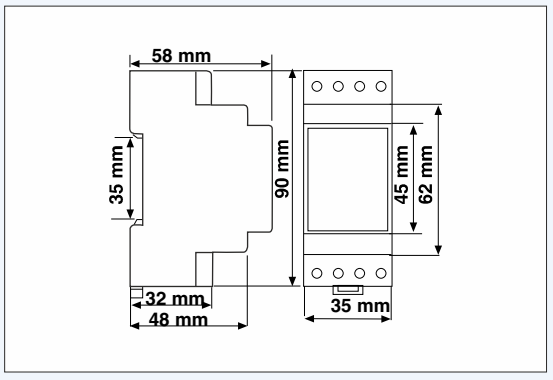
BASIC FUNCTION OF ASTRONOMICAL TIMER

Product Code		Data Transfer	Programmable Prayer Time	24h Time Programming	Geographical Coordinate Programming (Astronomic)	Photocell Sensor Input	15 Programs	32 Programs	1 Relay Output	2 Relay Output	Year Battery Life (Years)	Pcs / Box
DTR-20S	Astronomic Time Relay **(COMMUNICATION)**	**RS-485**		●	●			●		●	10	5
DTR-20TS	Astronomic Time Relay **(COMMUNICATION)**	**RS-485**		●	●			●	●		10	5
DTR-10	Astronomic Time Relay			●	●		●			●	10	5
DTR-10t	Astronomic Time Relay			●	●		●		●		10	5
DTR-14	Astronomic Time Relay			●	●	●	●			●	3	5
DTR-20	Astronomic Time Relay (External Memory)	**PROG**		●	●			●		●	10	5
DTR-20M	Astronomic Time Relay (IR Programming)	**IR**		●	●			●		●	10	5
DTR-25	Astronomic Time Relay		●	●	●			●		●	10	5
MCB-50	Electronic Timer, 32 Programs			●				●		●	10	5
MCB-50t	Electronic Timer, 32 Programs			●				●	●		10	5

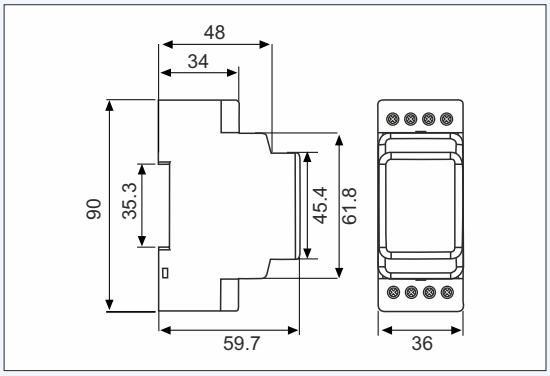
SPECIFICATIONS

	DTR-14	DTR-10/10t	MCB-50/50t	DTR-20/25	DTR-20M	DTR-20S	DTR-20TS
ENCLOSURE							
Dimensions	PK25(DIN II)			DTR-20 PK28	PK28		
Protection Class	IP20						
Weight	0,2 kg						
Display	1,3" LCD						
SUPPLY							
Operating Voltage Range	230 VAC						
Operating Frequency	50/60 Hz						
Operating Frequency	190-260 VAC						
Power Consumption	<3VA	<5VA					
INPUT / OUTPUT / SETTINGS							
Output Contact	2CO 8A 250 VAC 2000VA	1C/0 16A 250VAC 4000VA		1CO 16A 250 VAC 4000VA		2 CO 16A 250 VAC 4000VA	1 CO 16A 250 VAC 4000VA
Refresh Time	60 s.	1 s.					
Accuracy	<0,5sn./day						
Sensor	CdS(Light-sensitive photoresistor)	-					
Light Intensity	1-3 lux	-					
AMBIENT CONDITIONS							
Ambient Temperature; Humidity	-10 / +50°C ; % 85						
CONNECTIONS							
Mounting	Rail mounting; Screw Terminals						
Connection Type	Single Phase 2 Wires						

Size (Typ PK 25)



Size (Typ PK 28)



Address: Dudullu OSB 1. Cad. No:23, 34776 Ümraniye-Istanbul / TURKEY
Tel: +90 216 313 01 10 - **Fax:** +90 216 314 16 15
E-mail: impex@entes.com.tr - **Web:** www.entes.com.tr
Coordinates: 40.995852 , 29.178398

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